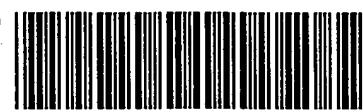


Rec'd PCT/PTO 14 SEP 2004

10/506513



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004

TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt

Output Set: N:\CRF4\09142004\J506513.raw

4 <110> APPLICANT: APPLERA CORPORATION
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
 7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
 8 AND USES THEREOF
 10 <130> FILE REFERENCE: CL001362-US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/506,513
 C--> 13 <141> CURRENT FILING DATE: 2004-09-03
 15 <150> PRIOR APPLICATION NUMBER: 60/361,335
 16 <151> PRIOR FILING DATE: 2002-03-05
 18 <160> NUMBER OF SEQ ID NOS: 4
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1551
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo Sapien
 27 <400> SEQUENCE: 1
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 30 gcccgtgtcg agaagggtgga ggtggagctg gcggggccgg cgaccgcggaa gccccatgg 180
 31 ccccccgaac ccccccgggg cggctggggc tggctgggtga tgctggcgcc catgtgggtc 240
 32 aacgggtcggt tggccat ccagaacgct tgccgggtgc ttctcgatgc catgtggaa 300
 33 accttcggct ccaaagacga tgacaagatg gtcttaaga cagcagcatg ggttagttct 360
 34 ctctccatgg ggtatgattt ctggctgtgc ccaatagtca gcgttccac agacctatgg 420
 35 ggttgcggaa aaacagctgt cgtgggtgc gctgttggat ttgttgggtc catgtccagg 480
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 37 tgctcccttg cataccagcc ttcatgggtc attttggac actatcca gaagccctt 600
 38 ggactgggtga atggcattgt cactgctggc agcagtgtct tcacaatcct gctgccttg 660
 39 ctcttaagggt ttctgattga cagcgtgggc ctctttaca cattgagggt gctctgcata 720
 40 ttcatgttttg ttctctttct ggctggctt acttaccgac ctctcgatc cagtacaaaa 780
 41 gataaaagaga gtggaggttag cggatccccc ctctttccaa gaaaaaaatgg cagtcctccaa 840
 42 aaaaaaaaattt tcaatttgc catcttcaag gtgacagctt atgcagtgtg ggcagttggaa 900
 43 ataccacttg cactttttgg atacttgcgt ccttatgttc acttgcataa acatgtaaat 960
 44 gaaagatttc aagataaaaaa aaataaaagag gttgttctca tgtgcattgg cgtcacttca 1020
 45 ggagttggac gactgcttttggccggatt gcagattatg tgccctgggtgt gaagaagggtt 1080
 46 tatctacagg tactctccctt tttcttcatt ggtctgtatgt ccatgtatgtat tcctctgtgt 1140
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 51 ctattggag gtgctgtgttcc ttgttttatacc cctgtggatcc atagtaagaa gcaaagagag 1440
 52 atcagtaaaaa ccactggaaa agaaaaagatg gagaaaaatgt tggaaaacca gaactctctg 1500
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 55 <210> SEQ ID NO: 2

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004
TIME: 09:48:05

Input Set : A:\1362 US-SEQLIST.txt
Output Set: N:\CRF4\09142004\J506513.raw

56 <211> LENGTH: 516
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo Sapien
60 <400> SEQUENCE: 2
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62 1 5 10 15
63 Ala Gln Pro Leu Gly Pro Ala Pro Thr Gly Ala Ala Pro Pro Pro Gly
64 20 25 30
65 Pro Gly Pro Ser Asp Ser Pro Glu Ala Ala Val Glu Lys Val Glu Val
66 35 40 45
67 Glu Leu Ala Gly Pro Ala Thr Ala Glu Pro His Glu Pro Pro Glu Pro
68 50 55 60
69 Pro Glu Gly Gly Trp Gly Trp Leu Val Met Leu Ala Ala Met Trp Cys
70 65 70 75 80
71 Asn Gly Ser Val Phe Gly Ile Gln Asn Ala Cys Gly Val Leu Phe Val
72 85 90 95
73 Ser Met Leu Glu Thr Phe Gly Ser Lys Asp Asp Asp Lys Met Val Phe
74 100 105 110
75 Lys Thr Ala Ala Trp Val Gly Ser Leu Ser Met Gly Met Ile Phe Phe
76 115 120 125
77 Cys Cys Pro Ile Val Ser Val Phe Thr Asp Leu Phe Gly Cys Arg Lys
78 130 135 140
79 Thr Ala Val Val Gly Ala Ala Val Gly Phe Val Gly Leu Met Ser Ser
80 145 150 155 160
81 Ser Phe Val Ser Ser Ile Glu Pro Leu Tyr Leu Thr Tyr Gly Ile Ile
82 165 170 175
83 Phe Ala Cys Gly Cys Ser Phe Ala Tyr Gln Pro Ser Leu Val Ile Leu
84 180 185 190
85 Gly His Tyr Phe Lys Lys Arg Leu Gly Leu Val Asn Gly Ile Val Thr
86 195 200 205
87 Ala Gly Ser Ser Val Phe Thr Ile Leu Leu Pro Leu Leu Arg Val
88 210 215 220
89 Leu Ile Asp Ser Val Gly Leu Phe Tyr Thr Leu Arg Val Leu Cys Ile
90 225 230 235 240
91 Phe Met Phe Val Leu Phe Leu Ala Gly Phe Thr Tyr Arg Pro Leu Ala
92 245 250 255
93 Thr Ser Thr Lys Asp Lys Glu Ser Gly Gly Ser Gly Ser Ser Leu Phe
94 260 265 270
95 Ser Arg Lys Lys Phe Ser Pro Pro Lys Lys Ile Phe Asn Phe Ala Ile
96 275 280 285
97 Phe Lys Val Thr Ala Tyr Ala Val Trp Ala Val Gly Ile Pro Leu Ala
98 290 295 300
99 Leu Phe Gly Tyr Phe Val Pro Tyr Val His Leu Met Lys His Val Asn
100 305 310 315 320
101 Glu Arg Phe Gln Asp Glu Lys Asn Lys Glu Val Val Leu Met Cys Ile
102 325 330 335
103 Gly Val Thr Ser Gly Val Gly Arg Leu Leu Phe Gly Arg Ile Ala Asp
104 340 345 350
105 Tyr Val Pro Gly Val Lys Val Tyr Leu Gln Val Leu Ser Phe Phe

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004
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Input Set : A:\1362 US-SEQLIST.txt
Output Set: N:\CRF4\09142004\J506513.raw

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| 106 | 355 | 360 | 365 | |
| 107 | Phe Ile Gly Leu Met Ser Met Met Ile Pro Leu Cys Ser Ile Phe Gly | | | |
| 108 | 370 | 375 | 380 | |
| 109 | Ala Leu Ile Ala Val Cys Leu Ile Met Gly Leu Phe Asp Gly Cys Phe | | | |
| 110 | 385 | 390 | 395 | 400 |
| 111 | Ile Ser Ile Met Ala Pro Ile Ala Phe Glu Leu Val Gly Ala Gln Asp | | | |
| 112 | 405 | 410 | 415 | |
| 113 | Val Ser Gln Ala Ile Gly Phe Leu Leu Gly Phe Met Ser Ile Pro Met | | | |
| 114 | 420 | 425 | 430 | |
| 115 | Thr Val Gly Pro Pro Ile Ala Gly Leu Leu Arg Asp Lys Leu Gly Ser | | | |
| 116 | 435 | 440 | 445 | |
| 117 | Tyr Asp Val Ala Phe Tyr Leu Ala Gly Val Pro Pro Leu Ile Gly Gly | | | |
| 118 | 450 | 455 | 460 | |
| 119 | Ala Val Leu Cys Phe Ile Pro Trp Ile His Ser Lys Lys Gln Arg Glu | | | |
| 120 | 465 | 470 | 475 | 480 |
| 121 | Ile Ser Lys Thr Thr Gly Lys Glu Lys Met Glu Lys Met Leu Glu Asn | | | |
| 122 | 485 | 490 | 495 | |
| 123 | Gln Asn Ser Leu Leu Ser Ser Ser Ser Gly Met Phe Lys Lys Glu Ser | | | |
| 124 | 500 | 505 | 510 | |
| 125 | Asp Ser Ile Ile | | | |
| 126 | 515 | | | |
| 128 | <210> SEQ ID NO: 3 | | | |
| 129 | <211> LENGTH: 139573 | | | |
| 130 | <212> TYPE: DNA | | | |
| 131 | <213> ORGANISM: Homo Sapien | | | |
| 133 | <400> SEQUENCE: 3 | | | |
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| 135 | ccagggatta tgggttttgg caggaagacc acagaggtaa agtaccattt tcatacacatc | 120 | | |
| 136 | atatcgaaaa tacatttatca tctagtttag gtactgtgt ccattttttt caccctaaag | 180 | | |
| 137 | ttatttcttc cccccactcc ccctttccat cctatactct ttggaaagaaa gttactacgc | 240 | | |
| 138 | atacccacac ttaaagagta aaccattgtt cttcacctcc atgagggagg gagtatgttc | 300 | | |
| 139 | ataaaagtatt tacatttcct gcaggagaga tttgtctatt ctctcctcat tattttat | 360 | | |
| 140 | atcatttact tacatcagta ctgactcggt gataattctt acatatgtgt ttgtttgtgt | 420 | | |
| 141 | gcatgcaaat atataatcga tgtgtttct ttggccaaata atatgtgtg gacaactttc | 480 | | |
| 142 | aaagtcaata aatacagatg accttcagaa ctttttagagg ttttaaagta agtatcta | 540 | | |
| 143 | cagtcttcta ccaatgtaca ttatacttcc aaattttctt tatttccaac aatactgggg | 600 | | |
| 144 | tatcatcttc atacatacat ttttgtgcac ttatgtgcct attcctttgt ttactat | 660 | | |
| 145 | accctcattt ctaaggcaga ttacacttga gctatgttcc ccattccaca accaagcac | 720 | | |
| 146 | gtttgttttc cttagtttat gctattttctt ctacctggaa tgctttttc ctgtcttgac | 780 | | |
| 147 | ccactgaagt cgtatgtatg aatcagggtc tcggccaaag gctgtttgtct gtatggctc | 840 | | |
| 148 | ttctacagtg tttggagaga atttaagggc ctatctcatc tctctttttt gtacatgtat | 900 | | |
| 149 | tataaacat catctgagcc tccttagtctc tcccaggact cttttttctt accagtttat | 960 | | |
| 150 | caactgataa gaggcagaaa cgagatcaat cgcaactcatc tgtgtactct atcacagtgg | 1020 | | |
| 151 | tgggcacatc aagtaacttag catatttga ctttgattga agtgaagaat acgaaataaca | 1080 | | |
| 152 | gaaattaaga agcatcctca atattgcata gcaggttact cttctttctt ttatcatagg | 1140 | | |
| 153 | atggcactcc atgcttcagg gagacagagg agttaatac aggttttagt tttgtttaa | 1200 | | |
| 154 | agtgaaaacg actctgatgt agttgaaaag taatgcttc tagctgtctg taaaaaatgt | 1260 | | |
| 155 | ttgttgggtg aagacttcgg aattgcagtc cagtgaggac tgaaaataag catctttgg | 1320 | | |
| 156 | gtgccaaata ttcataagga aattgtatac gaatgcaaga gaatgaaact gaagtaataa | 1380 | | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004
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Input Set : A:\1362 US-SEQLIST.txt
Output Set: N:\CRF4\09142004\J506513.raw

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| 157 | aataaggct ctgatccttc agatgactta tttagaagc cagggtggcat aacgaatctt | 1440 |
| 158 | acatattata attagtactg agaggtaat gccaaaacat aaaacaaca caatcgagac | 1500 |
| 159 | aatgttagt tgactgtgac gctgtgtcg tgagttgagg ctaacgatcc aagtgtggctc | 1560 |
| 160 | tcctgaaggc ccaccgcgcc cgcacctagg agacgcgcgc cttctgtca tgctttgagg | 1620 |
| 161 | cggggtgacc cacacatctg tgcccctctc tgagcaggag gaggccccgt cgccagacgcg | 1680 |
| 162 | cgcgcagaca ggcgtgtccg cgggcacctg gggccgcgcg ccgcggggcg cccgcctcc | 1740 |
| 163 | gctctccgag gcccaatcat ctggaggctg tgggggcacg tcccgctccc ggcacgcgc | 1800 |
| 164 | ccagccggcg gggcgggggg tgcttttaag aaccggcgcc tggcagtggtt ctcagtcggg | 1860 |
| 165 | gtgtcgccgc tggcacctag aggcttcagt gtcgatcccc gaggtgttcg cgccgcgcag | 1920 |
| 166 | ctgtcctcgc ggccgcctgc ggcgtggccg cctgcgcgt gccagccgc ccgcggccca | 1980 |
| 167 | ggggctccgc cgccctcgcc tcggcctcgt tagccgcac ggagccccgc agctcctccg | 2040 |
| 168 | ggagcccgct ggtaactcgc gtcctcgcc ctctccggc gcctgagggg cccgcctcgg | 2100 |
| 169 | gccatgggtc tctccagga ggagccggac tccgcgcggg gcacgagcga ggcgcagccg | 2160 |
| 170 | ctcgcccccg cggccacggg ggccgcctcg ccgcggggcc cgggaccctc ggacagcccc | 2220 |
| 171 | gaggcggtcg tcgagaagggt ggaggtggag ctggcggggc cggcgaccgc ggagccccat | 2280 |
| 172 | gagcccccgg aaccggccga gggcggtcg ggctggctgg tgatgctggc ggccatgtgg | 2340 |
| 173 | tgcaacgggt cggtgttcgg catccagaac gcttgcgggg tgctcttcgt gtccatgtcg | 2400 |
| 174 | aaacacctcg gtcacaaaga cgatgacaag atggcttta agacaggta ggcgcggcgc | 2460 |
| 175 | ccgcccggggc cagccctggc gacccgcgtg gggcccccga gcgcaccccg cgtgtggct | 2520 |
| 176 | gtgtctgcct ccgaggtgtc atgtcggtgg gtcctgtgc cagaggtgc gagcaggggg | 2580 |
| 177 | gtctttcgag ttgcagacag agcctgcgc ttctggggcc tcgggggtgcc cgtctttata | 2640 |
| 178 | tggaaatccag ctgcagagct gtgtgttgc aagcaggtcg cagaacttac ttgccagat | 2700 |
| 179 | cgccctccct tccctcagc agagcagacg ctaacagtcc acaggagccc ttccctttat | 2760 |
| 180 | tgtttgaaaa caaacagaac cccagaacct tcaaccccg tcacgccttc gtcatttttgc | 2820 |
| 181 | tggctctctt cgtactatg ccagttatgt agttcttcac ctgcctccct gggccgcaga | 2880 |
| 182 | gggggtgtcg tatgttggcg gggcgggggg tggagtttgg aggaatgaaa gagatttgc | 2940 |
| 183 | cgaaggctac tggagttcca aaggggggcc tgcaagagtc acgggtccgt ggttcccg | 3000 |
| 184 | ccccccgcct tttttgtccc tctgggttaa attagaaaaa cacgggaggc accggattta | 3060 |
| 185 | gggacttaga tgaggaagggt gaagggttgc ttctccctc ttccctgtgt gtttttgac | 3120 |
| 186 | atttttttt aaccatatacg taaatttagat acaaagggtg cagattcagc gttttctccc | 3180 |
| 187 | tgttagagcat tattatgact ttttggctgg ttaggcaaaa aacaaatcta agacttctg | 3240 |
| 188 | catgacactt taacataaaat tctttcactt tatttcgca ggtgagcgcg gtcacccca | 3300 |
| 189 | tttgggttagt aaaactgttag ctcaagtggaa gtgtcttggt gggtagtaga atggcaataa | 3360 |
| 190 | aacacatatac aactgacttc aagggtcaag tgatttccat tactaatca acctccctcc | 3420 |
| 191 | ccatcatttg gggtaacttt atatgattaa tagcttttt tttaacccctt gatttctat | 3480 |
| 192 | tatTTTtaga gtgaatattt cttaggtctt tagtatgcat atgaggaatg gcaagactg | 3540 |
| 193 | taataaaattc tgagacaaag gtaatgtcg gttatgtca gagtttaaa acctgacata | 3600 |
| 194 | aataactattt aactatttg atcattctgc aacttacttt tcttccattc cgcatcatgt | 3660 |
| 195 | tttgtactta tccacataat acctcagtgt gaactgataa ctcaaattct ttccattttat | 3720 |
| 196 | acttaggtgg tttgcattgt ttgactatatatactctat gcattctccc tctgatggc | 3780 |
| 197 | atttagattt ctccaaact cattctaaac aatgtgcacaa tgaatattct tgtacactct | 3840 |
| 198 | cgttatgcat gtgaatacgg taccattta acctggaaatt tctgttctt aaatagctat | 3900 |
| 199 | tgaaaactgtc gtgttatgct ggtcaatggg ctaggtacaa aaagtgttaa aaatgttagta | 3960 |
| 200 | acatatccctt accatttaag ggaagtaatc attgtaaagt ttagcagggg agatatgcat | 4020 |
| 201 | atataataggc aaacaaaaat agttgtgt ctttctata tgagtattgg gtgtcagaga | 4080 |
| 202 | gaaaagcccc aaaagaaggc agaattgaca gaggtaacat taaaagacta gtcacacat | 4140 |
| 203 | ttaccatatt cctgcctggg attacagatt tttaatgca gtcaagataa cagcagtctt | 4200 |
| 204 | ttgtttatca ttgttttgc aaattcagtt aagtagatcc tttgggtct gtgggtgggt | 4260 |
| 205 | ttttttttt tttttttttt tttttttttt ttttttttgg agagagagag agcaattgc | 4320 |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004
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Input Set : A:\1362 US-SEQLIST.txt
Output Set: N:\CRF4\09142004\J506513.raw

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| 207 | cttgc(cc)ca | aagtctaat | tggctacaca | atatccaaat | actgggttagc | ttagagtgag | 4440 |
| 208 | gaaaggAACc | tggttttct | tttgcactct | gtggaaacttt | gtgtttcca | ttttgatgaa | 4500 |
| 209 | tatcttttt | cttttactc | agttcagttc | ttgacaactt | tttcagtcata | gtttgtgtat | 4560 |
| 210 | gtgtgggtat | atatcatata | aacagttca | caggtgtgt | agttaaaatgt | gtgaagatct | 4620 |
| 211 | ttgtgtttct | ctgcctgact | gctgtatatc | tatttatgg | tgtgccattg | cacaagggtg | 4680 |
| 212 | cccaacttag | gggttaagtgg | ggactgaaaa | ccagcctggg | ctctgggtgc | ccttgcctg | 4740 |
| 213 | attcctacag | aaggccccta | tgcaacttga | atggccctgt | ataacacagc | atctagattg | 4800 |
| 214 | acaatggcc | attactggg | tgcttagtta | tacatatatg | actgatagat | gttaagggt | 4860 |
| 215 | gaggaagaaa | acagattaa | acttagtgc | gaaaaaatgg | ttacaagata | gtctttaagc | 4920 |
| 216 | cagttattgt | tgagatctct | ctcttttccc | ctgtccccta | cccctttctc | tttccttcag | 4980 |
| 217 | tgcacacaca | cacacacaaa | ggtgttccat | gaagtccctc | atctaccaca | gtcactgtta | 5040 |
| 218 | tttgagaata | tctgcttga | agtttgattt | gtcacacttt | ttcacttga | tattcgaatg | 5100 |
| 219 | ctgagtcgtc | tgtgatcaag | catacgcaag | cttcaaaatac | atgccaaaaa | atatctggaa | 5160 |
| 220 | tttgttaag | ccttttattt | ttcaaaagttt | tggcttattt | tctattaccg | tactcatgat | 5220 |
| 221 | ggataatcct | ggtgttagag | tacagctagt | tctgtctcct | tgtttccatt | acttctttat | 5280 |
| 222 | agcaagtgc | tagcctaagg | atatacaggg | aggtgggtgg | ggaatggaa | ctaggtctcc | 5340 |
| 223 | aatatgtgtt | gcccatttct | tgagtacttt | cctgtggcta | agcactttag | atgcgttcct | 5400 |
| 224 | atttaaacct | taccacgatt | ctctgataga | cttggtaat | atctttcttt | tcagatatgg | 5460 |
| 225 | gaactcaggc | ttacagagtt | taagtaagaa | gtggagccag | aattcaaccc | caggcttac | 5520 |
| 226 | tgactctaag | agctgggatt | tttattttaa | tttatttttt | atttaaaata | tggatgttt | 5580 |
| 227 | catgaatttg | catgtcatcc | ttgttcaggg | gtcacgctaa | tcttctctgt | gtcattccaa | 5640 |
| 228 | ttttagttaga | ttgtgttca | aagtgcgtc | gaagcaagca | ccaggagctg | ggttttaatc | 5700 |
| 229 | attcatcata | ttgcatttgc | tagataacat | tctgcaaaata | cgatgtttt | tatgtgttgc | 5760 |
| 230 | attaatttaa | gtgttagtga | ttggttgagt | gctctaccat | gcattctggg | attagaaaga | 5820 |
| 231 | agggtccctg | tttcttggtc | ctactttgt | gtgaataaaac | aattgcaaat | tattaatgtc | 5880 |
| 232 | tccaaactata | tttctgaagt | gtagagagac | ttccatagaa | gaacaagata | cttccatatg | 5940 |
| 233 | cgttcaagc | aaaagtctgg | ggtttccctt | gaagaacttt | tagattgatc | cacagcagga | 6000 |
| 234 | caatgtttct | aggcagaact | gaggaggagc | cttctttagg | ctcacttctc | ttcagggctc | 6060 |
| 235 | tgttaactct | tcccacgcaa | tggataatct | accaaaaatt | tctcaggaaa | gggcctgaag | 6120 |
| 236 | aagttcattc | acactaagg | gtaagtgcgt | ttacacatct | tactgttaat | tctctttata | 6180 |
| 237 | caaattttta | ccaaattttc | taacacgctt | tgtttgggc | tctgtctgg | ggactggaga | 6240 |
| 238 | taatgactga | gagagaaaaat | gtcagctgtt | tcaagatgc | ttaggatctg | ttgtggata | 6300 |
| 239 | caaattataa | acagaccaga | agtaatagaa | tattccctg | aaggatttc | aatataacag | 6360 |
| 240 | gactcagttt | tactataaaa | ggctgaaaatt | ctaaaggatc | ttcaacaggt | gggggggtt | 6420 |
| 241 | gggggtgggaa | aggcatttga | cgcctcttc | tctatggta | taaatctcac | ttggtgaaat | 6480 |
| 242 | taagacttg | gaaaggggaa | gtaagccac | tccaagttgg | gcagtagaac | caatgaaaaa | 6540 |
| 243 | tgctgacggc | atcacagtcc | cattatggt | cccaagctgcc | aatgacatgg | cactcagagg | 6600 |
| 244 | agtgtctcac | acatactgc | ctgtctgagg | gagcaagct | agcttgcgtt | gtctctttt | 6660 |
| 245 | ttgttgcattt | tttttttttt | ttttttttgt | gacagattct | cactctgtcg | cccaaggctgg | 6720 |
| 246 | agtgcagttg | caccatctcg | gctcaactgc | accactgcct | cccgatgca | agcaattctg | 6780 |
| 247 | cctcaggccct | ccgagtagct | ggactacctg | cgcttgcac | cacacccggc | taatttttgc | 6840 |
| 248 | attttttaga | gagacagggt | ttcaccat | tggccaggct | ggtctcaaac | tcctgaccc | 6900 |
| 249 | gtgatccacc | tgcctcgct | tcccaaagt | ctgggattac | aggcataagc | caccgcgcct | 6960 |
| 250 | ggccaagttg | tcttttttta | tttgcatttt | tacccgttca | catgtgttatt | cttcttgcct | 7020 |
| 251 | aggtagagag | gaatcagaca | ctctgggaa | gaatacaag | aaatacaatt | aagtggaaaca | 7080 |
| 252 | ttgtttttct | ttagaaatgt | caattttggg | ctggggcgag | tggctcatgc | ctgtatcc | 7140 |
| 253 | agccctttgg | gaggccaaagg | caggtggatc | acctggagg | aggagttga | gaccagcctg | 7200 |
| 254 | gccaaatgg | tgaacccccg | tttctactaa | aaatacaaaa | aattagctgg | gcatggggc | 7260 |

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/506,513

DATE: 09/14/2004
TIME: 09:48:06

Input Set : A:\1362 US-SEQLIST.txt
Output Set: N:\CRF4\09142004\J506513.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date